

# SIMA 3X1 HDMI SWITCHER

Model VS-HD31



Please register online at

[www.simaproducts.com](http://www.simaproducts.com)

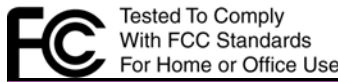
## Caution:

IMPORTANT SAFEGUARDS FOR AUDIO PRODUCTS.  
PLEASE READ CAREFULLY THE FOLLOWING IMPORTANT  
SAFEGUARDS THAT ARE APPLICABLE TO YOUR EQUIPMENT

1. Read instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow instructions - Follow all operating and use instructions.
5. Water and Moisture - the appliance should not be used near water - for example: near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool.
6. Ventilation - The appliance should be located so that its location or position does not interfere with proper ventilation. For example: the appliance should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings.
7. Heat - the appliance should be situated away from heat sources such as radiators, registers, stoves or other heat-producing appliances.
8. Power sources - the appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
9. Grounding or polarization. - Precautions should be taken so that the polarization or grounding means of the appliance is not defeated.  
Caution: To prevent electric shock, match the wide blade of this plug to the wide slot, fully insert. Do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.
10. Power cord Protection - Power supply cords should be routed so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and where they exit from the appliance.
11. Cleaning - Wipe unit with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents or strong detergents.
12. Nonuse periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
13. Object and Liquid entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
14. Damage requiring service - The appliance should be serviced by qualified personnel when: the power cord has been damaged, objects have fallen or liquids spilled into the appliance, the appliance has been exposed to rain, does not appear to operate normally or exhibits a marked change in performance or the unit has been dropped or the enclosure damaged.
15. Service - The user should not attempt to service the appliance beyond that described in the operating manual. All other servicing should be referred to qualified service personnel.

### Notice to Users

The system may cause interference to a TV or radio even when it is operating properly. To determine whether the system is causing the interference, turn it off. If the interference goes away, the system is causing the interference.



**NOTE:** This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.
- Contact your dealer for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two Conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

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## INTRODUCTION

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Congratulations on your purchase of the 3x1 HDMI Switcher. Sima Products HDTV switches are designed to make your A/V equipment use more efficient, more creative and most affordable. The 3x1 HDMI Switcher allows access to three HDTV devices, using one HDTV display. The 3x1 HDMI Switcher allows three HDTV HDMI devices to be switched easily in to one HDTV HDMI compatible monitor or projector. Simply connect your HDTV display to the Switcher's display output. The 3x1 HDMI Switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

## FEATURES

- Switches easily between any three HDMI sources
- Maintains 480p, 720p, 1080i, and 1080p resolution
- PC Support: VGA, SVGA, XGA, SXGA, and UXGA (1600 x 1200)
- Maintains highest HDMI single link video resolution
- Maintains highest HDMI digital audio signal
- Supports HDCP compliant devices
- HDMI or DVI to HDMI cables are used to connect the inputs and switcher output
- Inputs can be toggled with the IR remote control

### **Includes:**

3x1 HDMI Switcher

5V DC Power Supply

IR Remote Control Model # CR-22 (Battery Included)

4 Adapter Tips (U.S, EU, U.K, AUS)

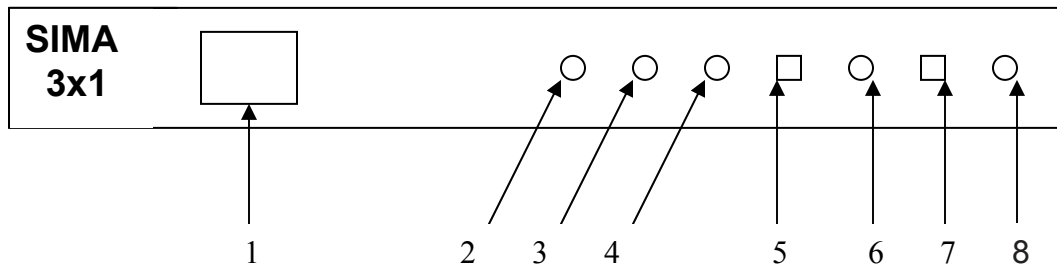
This User Manual

## PANEL DESCRIPTIONS

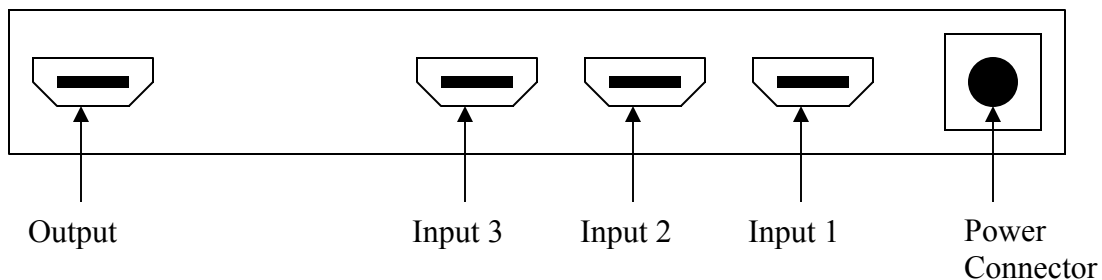
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### Front Panel

1. IR Eye
2. Indicator LED Input 1
3. Indicator LED Input 2
4. Indicator LED Input 3
5. Input Selector
6. Signal Enhancement LED
7. Signal Enhancement Selector
8. Power Indicator LED

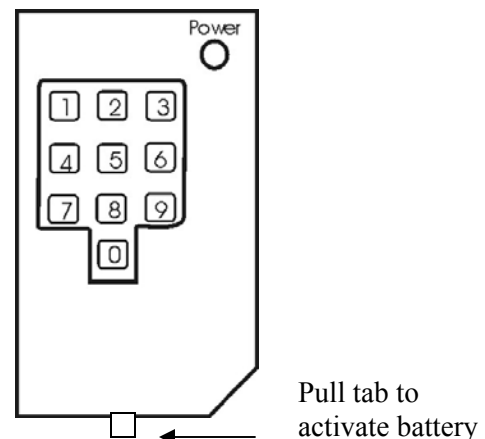


### Back Panel

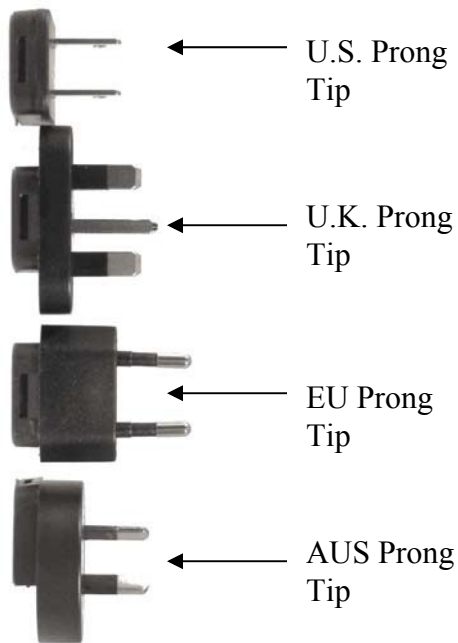


### Remote Control

- Power button to toggle device on/off
- 9 digit keypad (1 –2 –3 will be used to toggle between the inputs)
- Buttons 4 through 9 are not available with this device. They are populated for future use.
- Remote takes a 3v Lithium button battery.
- Replacement battery # CR2025 can be found at a local electronic retail store.



## Installation:



1. Choose the correct connector for the country in which you are located.

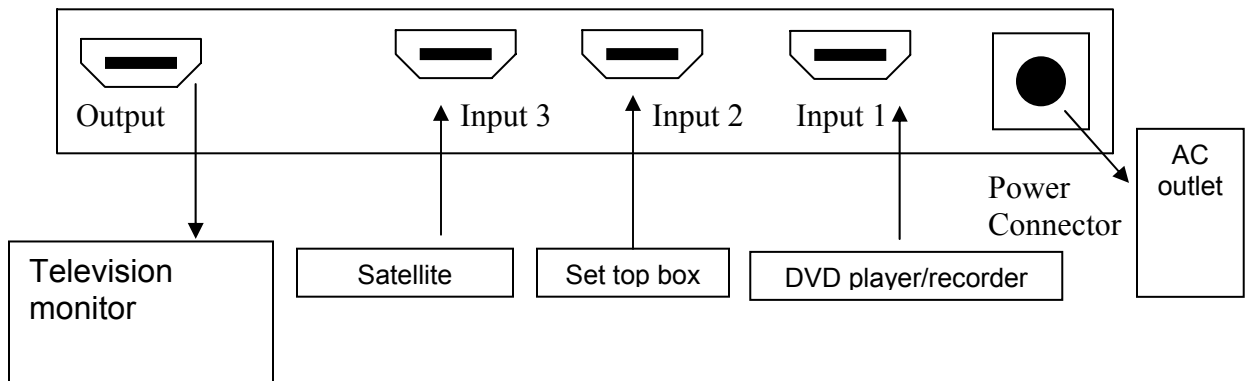
2. Install the adapter tip on the adapter body by placing the top of tip into slot and snapping bottom of tip into place. (as shown below).



3. To change tips, slide down spring loaded trigger, pulling up on adapter tip.

## How to Connect the 3x1 HDMI Switcher to your devices

1. Plug the 5VDC power supply into the 3x1 HDMI switcher and correct AC wall outlet.
2. Connect the cables from the HDMI sources into one of the HDMI inputs.
3. Connect a cable from the switcher output to the input on your monitor.



## **How to Control the 3x1 HDMI Switcher**

1. There is no power switch on the device itself. Power is automatically turned on when plugged into a wall outlet.
2. Press the Input button on the front panel to toggle among the 3 inputs. Or use the IR remote control to directly set an input.
3. Press the signal enhancement button on the front panel to turn on this feature. When activated, the LED will illuminate. This will improve the signal quality when long distance installations are required.

### **SPECIFICATIONS:**

Video Amplifier Bandwidth.....	1.65Gbps
Input Video Signal.....	1.2 volts p-p
Input Connector Type.....	HDMI Type A Female
Output Connector Type.....	HDMI Type A Female
Power Source.....	100-240VAC 50/60 Hz
Power Adapter Output.....	5V DC 2.6A
Weight.....	20oz
Dimensions.....	7.9" W x 4.1" D x 1" H

### **Limited Warranty**

Sima Products Corp. ("Company") warrants that if the accompanying product proves to be defective to the original purchaser in material or workmanship within 90 days from the original retail purchase, the Company will, at the Company's option, either repair or replace same without charge (but no cash refund will be made).

#### **What you must do to enforce Warranty**

You must deliver, mail or ship the product, together with the original bill of sale, this limited Warranty statement as proof of warranty coverage to:

Sima Products Corporation  
Attn: Customer Service  
140 Pennsylvania Ave., Bldg. #5,  
Oakmont, PA 15139

To receive special offers and discounts, register your product online at  
[www.simacorp.com](http://www.simacorp.com)

### **Limitation of Liability and Remedies**

Sima shall have no liability for any damages due to lost profits, loss of use or anticipated benefits, or other incidental, consequential, special or punitive damages arising from the use of, or the inability to use, this product, whether arising out of contract, negligence, tort or under any warranty, even if Sima has been advised of the possibility of such damages. Sima's liability for damages in no event shall exceed the amount paid for this product. Sima neither assumes nor authorizes anyone to assume for it any other liabilities.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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**140 Pennsylvania Ave. Bldg #5 Oakmont, PA 15139**  
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